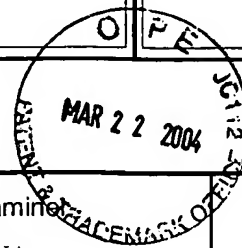


**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
124574-1

In Re Application Of: **ROBERT SNEE GILMORE ET AL.**



Serial No.  
10/692,608

Filing Date  
10/24/2003

Examiner  
NYA

Group Art Unit  
2856

Title: **INSPECTION METHOD AND APPARATUS FOR DETERMINING INCIPIENT MECHANICAL FAILURE**

Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

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**INSPECTION METHOD AND APPARATUS FOR DETERMINING INCIPIENT MECHANICAL FAILURE**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **06-1130** as described below.
- ☐ Charge the amount of \_\_\_\_\_
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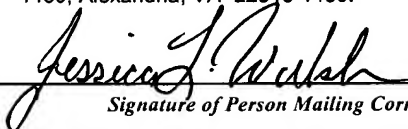
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Dated: **March 18, 2004**

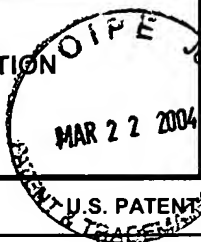
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	3	John A. Cantrell; "Crystalline Structure Dependence of Acoustic Nonlinearity Parameters;" 1987 Ultrasonics Symposium Proceedings; IEEE; pages 425 - 428
	4	John A. Cantrell; "Nonlinear Phenomena in Solid State Physics and Technology;" 1990 Ultrasonics Symposium Proceedings; IEEE; pages 1255 - 1261

EXAMINER	DATE CONSIDERED
----------	-----------------

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						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

5	John H. Cantrell and William T. Yost; "Nonlinear Ultrasonic Characterization of Fatigue Microstructures;" International Journal of Fatigue; Vol. 23; 2001; pages 487 - 490
6	Dimitri M. Donskoy and Alexander M. Sutin; "Vibro-Acoustic Modulation Nondestructive Evaluation Technique;" Journal of Intelligent Material Systems and Structures, Vol. 9; September 1998; pages 765 - 771

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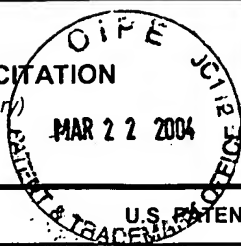
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	9	Young-Chul Jung and Tribikram Kundu; "Ultrasonic Response to Material Fatigue;" Proceedings of the SPIE, Vol. 4335; 2001; pages 180 - 187
	10	Peter Li, John H. Cantrell Jr. and William T. Yost; "Thermal Strains and Acoustic Nonlinearity in Crystalline Solids;" 1984 Ultrasonics Symposium Proceedings; IEEE; pages 955 - 957

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Docket Number (Optional)

124574-1

Application Number

10/692,608

Applicant(s)

GILMORE ET AL.

Filing Date

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Group Art Unit

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

11

Peter Li, William T. Yost, John H. Cantrell, and Kamel Salama; "Dependence of Acoustic Nonlinearity Parameter of Second Phase Precipitates of Aluminum Alloys;" 1985 Ultrasonics Symposium Proceedings; IEEE; pages 1113 - 1115

12

Peter B. Nagy; "Fatigue Damage Assessment by Nonlinear Ultrasonic Materials Characterization;" Ultrasonics, Vol 36; February 1998; pages 375 - 381

13

W.P. Winfree, P. Li, and J. H. Cantrell Jr.; "Harmonic Generation of Short Ultrasonic Pulses;" 1982 Ultrasonics Symposium Proceedings; IEEE; pages 1026 - 1028

14

H. Yang, W. T. Yost, and J. H. Cantrell; "Effect of Aging on the Third-Order Elastic Moduli of 18Ni Maraging Steel;" 1987 Ultrasonics Symposium Proceedings; IEEE; pages 425 - 428

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